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# Memorandum

To:	Department of Water Resources
From:	Liz Varner, PE and Michael Taylor, PE
Subject:	Bid Summary for Malaga County Water District – Well 3A and Tank and Request for Additional Funding
Date:	August 3, 2023

The bid opening for the Malaga County Water District (MCWD) Well 3A and Tank Project was held on Thursday, August 3, 2023 at 2:00 p.m. at the office of the Malaga County Water District located at 3580 S. Frank Ave, Fresno CA 93725. Six bids were received and opened; we have reviewed the bids and a summary of our review is provided below for consideration by MCWD. A copy of the bid package from the bidders will be provided to MCWD under separate cover.

### **Review of Bid Packages:**

Bids were received from the following contractors: Steve Dovali Construction, Inc., Manito Construction, Inc., Unified Field Services Corporation, Brough Construction, Inc. BMY Construction Group, Inc. and T&S Construction Company, Inc. The bid packages have been reviewed to determine if all required documents were included. The apparent low bidder, Steve Dovali Construction, Inc., included all required bid documents, and is therefore considered the lowest responsive bidder.

#### **Evaluation of Bids:**

A summary of the bids received is provided in the attached canvass of bids (**Exhibit A**). The bid documents state that if the total cost of any item or the total Base bid is inconsistent with the Unit Cost, the Unit Cost shall prevail. The bid schedule was reviewed and checked accordingly for mathematical errors. Manito Construction, Inc. Total Base bid did not match the unit cost as unit costs were not provided for Bid items 19 through 60, and therefore is considered unresponsive. The total bid amount provided by Steve Dovali Construction, Inc., did contain an error, the additive unit cost was \$500.50 less than the written base bid. Therefore, Steve Dovali Construction still remains the lowest responsive bidder.

The bid documents state that the project will be awarded to the lowest responsive bidder based on the sum of the **base bid**. The total base bid amount received from each bidder is listed below:

Bidder	<b>Base Bid Amount</b>
Grant Budget for Construction	\$3,371,130.00
Steve Dovali Construction, Inc.	\$4,607,284.25
Manito Construction, Inc. <sup>1</sup>	N/A
Unified Field Services Corporation	\$5,392,137.00
Brough Construction, Inc.	\$4,619,176.00
BMY Construction, Inc.	\$7,405,111.50
T&S Construction, Inc.	\$4,901,810.00

<sup>1.</sup> Manito Construction Bid form was incomplete.

## **Add Alternative Bid Items:**

The District would like to add to the project the Add Alternative items A-2 and A-3 if authorized. See the below breakdown of the apparent low bidder Add Alternatives A-2 and A-3:

Bidder	Add Alternatives Bid Amount
F&I Carport Type Enclosure over Booster Pump Station	\$16,959.00
F&I Cathodic Protection System	\$23,119.00
Total Additive Bid Items A-2 and A-3	\$40,078.00

#### **Project Budget:**

The construction line item in the original funding agreement totaled *\$4,167,821.00*. This cost included project administration, final design and environmental documentation, contract services, construction administration, construction, and operation and maintenance manual creation. Below is a breakdown of the original funding agreement budget:

Current Funding Breakdown						
Task 1: Project Administration	\$ 175,960.00					
Task 2: Final Design and Environmental Documentation	\$ 132,250.00					
Task 3: Contract Services	\$ 29,350.00					
Task 4 Construction						
Task 4.1: Construction Administration	\$ 434,461.00					
Task 4.1: Construction	\$ 3,371,130.00					
Task 4.3: Operations and Maintenance	\$ 24,670.00					
Manual Costs						
Current Funding Agreement Total:	\$ 4,167,821.00					

Additional funds are needed in order to award the contract to the lowest bidder. Provost and Pritchard sent a preliminary request for funding increase on August 22, 2022 and a follow up on February 3, 2023 to emphasize that construction costs have increased substantially over the

past few years and would not allow the project to proceed as originally described. The response indicated that an increase in budget would not be considered at the time based on estimates, and to submit another request after MCWD receives contracting bids.

The lowest responsive base bid is \$4,607,284.25. All projects have unforeseen challenges during construction, we are requesting an additional \$460,000 for construction contingency.

Once a contract amendment is received, MCWD can be in a place to award a contract, please note that the bids are time sensitive and we need a contract amendment in less than 60 days.

Updated Funding Breakdown based on Bid		
Results and Scope Amendment		
Task 1: Project Administration	\$	175,960.00
Task 2: Final Design and Environmental	\$	132,250.00
Documentation		
Task 3: Contract Services	\$	29,350.00
Task 4.1: Construction Administration	\$	434,461.00
Task 4.2: Construction (Total Base Bid)	\$ 4	4,607,284.25
Total Additive Bid Items A-2 and A-3	\$	40,078.00
Total Construction Contingency	\$	460,000.00
Task 4.3: Operations and Maintenance	\$	24,670.00
Manual Costs		
Total Funding Required	\$	5,904,323.25
Total Additional Funds Needed	\$	1,736,502.25

#### **Project Schedule:**

Per the executed funding agreement, "Task 4: Construction" end date is December 29, 2023. Construction schedule noted in the bid documents is 400 days from the date of the Notice of Proceed. It is requested that the schedule get modified to December 21, 2025.

Attachment: Exhibit A, Canvass of Bids



#### CANVASS OF BIDS

Malaga County Water District
Well No. 3A and Tank No. 1 Improvements Project

Bid Opening Date 8/3/2023
Prevailing Wages Required Yes Project Manager Liz Varner
Project Engineer P&P

APPARENT LOW BIDDER															
		ENGINEER'S ESTIMATE		STEVE DOVALI CONST. INC.		UNIFIED FIELD NC. SERVICES CORPORATION		T&S CONST. CO. INC.		BROUGH CONST. INC.		MANITO CONST. INC.		BMY CONS	T. GROUP INC.
Item Description	Quantity Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
Base Bid  Mobilization/Demobilization, Bonds, Insurance, and Permits	1 LS	\$ 230,000 \$	230,000	\$ 94,097.00	\$ 94,097.00	\$ 114,600.00	\$ 114,600.00	\$ 180,000.00	\$ 180,000.00	\$ 200,000.00 \$	200,000.00	\$ 173,100.00	\$ 173,100.00	\$ 340,000.00	340,000.00
2 Worker Protection	1 LS	\$ 45,000 \$	45,000	\$ 113.00				\$ 8,000.00		\$ 3,500.00 \$	3,500.00	\$ 10,950.00	,	\$ 5,000.00	
3 Traffic Control 4 Temporary Facilities and Miscellaneous Operations	1 LS 1 LS	\$ 10,000 \$ \$ 45,000 \$	10,000 45,000	\$ 563.00 \$ 18,844.00			· ·	\$ 20,000.00 \$ 100,000.00			14,000.00	\$ 26,500.00 S		\$ 8,000.00 \$ 49.000.00	
5 County of Fresno Encroachment Permit	1 LS	\$ 5,000 \$	5,000	\$ 2,033.00				\$ 3,500.00			4,500.00		,	\$ 1,200.00	
6 Construction Staking	1 LS	\$ 10,000 \$	10,000	\$ 15,328.00				\$ 17,000.00				\$ 22,100.00		\$ 24,000.00	
7 Compaction Testing 8 Site Sampling, Testing and Inspections	12 EA 1 LS	\$ 700 \$ \$ 10,000 \$	8,400	\$ 619.00 \$ 21,175.00			· ·	\$ 300.00 \$ 15,000.00		\$ 700.00 \$ \$ 20,000.00 \$	8,400.00	\$ 367.00 S		\$ 400.00 \$ 18,000.00	4,800.00 18,000.00
9 Clearing and Grubbing, Tree Removal	1 LS	\$ 30,000 \$		\$ 15,109.00				\$ 28,000.00		\$ 15,000.00 \$	15,000.00			\$ 36,000.00	
10 Existing Well 3 Site Demolition	1 LS	\$ 40,000 \$	· ·	\$ 48,161.00				\$ 40,000.00				\$ 23,400.00		\$ 25,000.00	
11 Existing Well 3 Site Destruction	1 LS 50 LF	\$ 55 \$ \$ 800 \$	55 40,000	\$ 54,655.00 \$ 1,013.00				\$ 18,000.00 \$ 400.00			58,000.00 42,500.00		\$ 12,370.00 \$ 21,650.00	\$ 55,000.00 \$ 39,072.73	
12 F&I 30" Diameter Conductor Casing 13 Drill 28" Diameter Borehole and Conduct Electric and Caliper Logging	605 LF	\$ 250 \$	151,250	\$ 366.00				\$ 200.00		\$ 200.00 \$	121,000.00	\$ 229.00	\$ 138,545.00	\$ 206.00	
14 F&I 16" Diameter x 3/8" Wall Blank HSLA Casing	457 LF	\$ 230 \$	105,110	\$ 321.00						\$ 400.00 \$	182,800.00		\$ 189,655.00	\$ 370.00	
15 F&I 16" Diameterx 5/16" Wall Louvered HSLA Casing	170 LF	\$ 300 \$	51,000								76,500.00		,		
16 F&I 20' Long Compression Section 17 F&I 3" Diameter Gravel Feed Tube	1 LS 432 LF	\$ 15,000 \$ \$ 80 \$	15,000 34,560	\$ 12,375.00 \$ 39.00						\$ 17,000.00   \$ \$ 20.00   \$	17,000.00 8,640.00		\$ 22,500.00 \$ 14,256.00	\$ 16,000.00 \$ 19.00	
18 F&I 2" Diameter Sounding Tube	432 LF	\$ 50 \$	21,600	\$ 47.00				\$ 25.00		\$ 29.00 \$	12,528.00	\$ 28.00		\$ 27.00	
19 F&I Gravel Envelope	230 LF	\$ 100 \$	23,000	\$ 68.00			· ·			\$ 170.00 \$	39,100.00	:	\$ -	\$ 156.00	
20 F&I Annular Seal 21 Preliminary Development	425 LF 48 HR	\$ 100 \$ \$ 600 \$	42,500 28,800	\$ 79.00 \$ 450.00						\$ 88.00 \$ \$ 650.00 \$	37,400.00 31,200.00		\$ - \$ -	\$ 82.00 \$ 614.00	
21 Preliminary Development 22 Well Development and Pump Test	1 LS	\$ 40,000 \$	40,000	\$ 450.00						\$ 38,000.00 \$	38,000.00		\$ -	\$ 34,600.00	
23 Additional Well Development and Test Pumping Time	20 HR	\$ 600 \$	12,000	\$ 450.00	\$ 9,000.00	\$ 448.00	\$ 8,960.00	\$ 400.00	\$ 8,000.00	\$ 480.00 \$	9,600.00	:	\$ -	\$ 445.00	8,900.00
24 Conduct Video Survey 25 F&I 10" x 1-11/16" Diameter Column Pipe and Shaft	1 LS 430 LF	\$ 3,000 \$ \$ 500 \$	3,000 215,000	\$ 1,688.00 \$ 398.00	, , , , , , ,					\$ 3,500.00 \$ \$ 390.00 \$	3,500.00 167,700.00		-	\$ 3,125.00 \$ 361.00	
26 F&I Pump Bowls	1 LS	\$ 100,000 \$	· ·	\$ 39,938.00				\$ 32,000.00			48,000.00		• - \$ -	\$ 45,000.00	
F&I Pump Motor (200 HP)	1 LS	\$ 50,000 \$	· ·	\$ 88,614.00				\$ 35,000.00		\$ 92,000.00 \$	92,000.00	:	\$ -	\$ 87,000.00	
28 Construct Pump Foundation 29 Well Discharge Piping, Valves, and Appurtenances	1 LS 1 LS	\$ 15,000 \$		\$ 10,809.00				\$ 25,000.00			10,000.00		<b>\$</b> -	\$ 17,000.00	
<ul> <li>Well Discharge Piping, Valves, and Appurtenances</li> <li>F&amp;I 2" Diameter Pre-lube Drain Pipe and Drain</li> </ul>	1 LS	\$ 150,000 \$ \$ 15 \$	150,000	\$ 90,267.00 \$ 6,102.00			· ·	\$ 75,000.00 \$ 7,000.00		\$ 78,000.00 \$ \$ 9,000.00 \$	78,000.00 9,000.00		• - • -	\$ 137,000.00 \$ 10,000.00	
31 1,000,000 Gallon Storage Tank, Foundation, and Appurtenances	1 LS	\$ 1,250,000 \$	1,250,000	\$ 809,382.00				\$ 870,000.00			770,000.00		\$ -	\$ 754,000.00	
32 F&I Pressure Sustaining Valve	1 EA 1 EA	\$ 30,000 \$	30,000	\$ 14,414.00				\$ 18,000.00		\$ 17,000.00 \$	17,000.00		\$ -	\$ 25,000.00	
33 F&I Tank Influent Flowmeter 34 F&I 10" EBAA Iron Flexible Coupling	1 EA 1 EA	\$ 12,000 \$ \$ 20,000 \$	12,000 20,000	\$ 4,215.00 \$ 10,195.00			· ·	\$ 15,000.00 \$ 13,000.00		\$ 6,500.00 \$ \$ 9,500.00 \$	6,500.00 9,500.00		\$ - \$ -	\$ 14,000.00 \$ 11,000.00	
35 F&I 12" EBAA Iron Flexible Coupling	1 EA	\$ 20,000 \$		\$ 13,511.00				\$ 17,000.00			12,000.00		\$ -	\$ 23,000.00	
36 Pump Station With VFDs	1 LS	\$ 350,000 \$		\$ 354,343.00				\$ 200,000.00		\$ 300,000.00 \$	300,000.00		\$ -	\$ 547,000.00	
37 Pump Station Concrete Slab Foundation 38 Water Main Connection in Central Avenue	1 LS 1 LS	\$ 15,000 \$ \$ 30,000 \$		\$ 11,426.00 \$ 118,402.00				\$ 32,000.00 \$ 110,000.00			16,000.00 93,000.00		\$ - \$ -	\$ 16,000.00 \$ 130,000.00	
39 F&I 10" Piping, Fittings and Appurtenances	176 LF	\$ 120 \$	21,120	\$ 328.00			\$ 79,904.00	\$ 750.00		\$ 320.00 \$	56,320.00		\$ -	\$ 462.00	
40 F&I 12" Piping, Fittings and Appurtenances	66 LF	\$ 200 \$	13,200	\$ 485.00			· ·				42,240.00	:	\$ -	\$ 695.00	
41 F&I14" Piping, Fittings and Appurtenances 42 F&I Check Valve Vault, Including Check Valve, Pipe and Fittings	183 LF 1 LS	\$ 225 \$ \$ 60,000 \$	41,175 60,000	\$ 216.00 \$ 23,996.00				\$ 400.00 \$ 20,000.00			45,750.00 29,000.00		\$ - \$ -	\$ 386.00 \$ 34,000.00	
43 F&I System Pressure Transmitter	1 EA	\$ 6,000 \$	· ·	\$ 9,281.25			· ·	\$ 5,000.00		\$ 10,000.00 \$	10,000.00		\$ -	\$ 15,000.00	
F&I Prefabricated Chemical Storage Shed and Pad	1 LS	\$ 20,000 \$		\$ 31,320.00				\$ 55,000.00			40,000.00	:	\$ -	\$ 38,000.00	
45 Chlorination Equipment 46 F&I Backflow Preventer and Eyewash Station	1 LS 1 LS	\$ 10,000 \$ \$ 4,000 \$	10,000 4,000	\$ 37,149.00 \$ 13,719.00				\$ 40,000.00 \$ 16,000.00		\$ 42,000.00 \$ \$ 26,000.00 \$	42,000.00 26,000.00		\$ - e -	\$ 61,000.00 \$ 25,000.00	
47 F&Q New 1 1/2" Water Service	1 LS	\$ 4,000 \$	· ·	\$ 27,575.00				\$ 27,000.00		\$ 21,000.00 \$	21,000.00		\$ -	\$ 19,000.00	
48 F&I Sewer Service Extension	1 LS	\$ 5,000 \$	5,000	\$ 3,516.00				\$ 13,000.00			8,000.00	:	\$ -	\$ 21,000.00	
49 F&I MCC Concrete Foundation and Shade Structure 50 F&I Motor Control Center	1 LS 1 LS	\$ 50,000 \$ \$ 200,000 \$	50,000 200,000	\$ 42,717.00 \$ 337,331.25				\$ 60,000.00 \$ 470,000.00		\$ 48,000.00 \$ \$ 125,000.00 \$	48,000.00 125,000.00		\$ - \$ -	\$ 68,000.00 \$ 510,000.00	
51 F&I Well VFD	1 LS	\$ 30,000 \$	· ·	\$ 61,875.00			· ·	\$ 65,000.00		\$ 125,000.00 \$	125,000.00		\$ -	\$ 78,000.00	
52 Site Electrical Services, Controls & Lighting	1 LS	\$ 290,000 \$		\$ 252,618.75			· ·	\$ 280,000.00		\$ 300,000.00 \$	300,000.00	:	\$ -	\$ 181,000.00	
<ul> <li>53 Instrumentation and Controls</li> <li>54 F&amp;I Generator and Automatic Transfer Switch</li> </ul>	1 LS 1 LS	\$ 80,000 \$ \$ 340,000 \$		\$ 37,125.00 \$ 396,223.00				\$ 40,000.00 \$ 390,000.00			130,000.00 450,000.00		\$ - \$ -	\$ 49,000.00 \$ 475,000.00	
55 SCADAFurnish and Integration	1 LS	\$ 50,000 \$		\$ 92,812.00				\$ 110,000.00		\$ 150,000.00 \$	150,000.00		\$ -	\$ 114,000.00	
56 Not Used	]														
57 Site Grading 58 Class II Aggregate Base Surfacing	1 LS 296 CY	\$ 40,000 \$ \$ 85 \$	40,000 25,160	\$ 68,511.00 \$ 264.00				\$ 55,000.00 \$ 200.00		\$ 41,000.00   \$ \$ 140.00   \$	41,000.00 41,440.00		\$ - \$	\$ 107,000.00 \$ 284.00	
59 3/8" Medium Type A Ashpahlt Concrete	387 TON	\$ 110 \$	42,570	\$ 323.00						\$ 330.00 \$	127,710.00		\$ -	\$ 350.00	
60 F&I Site Concrete Swale	709 LF	\$ 25 \$	17,725	\$ 156.00	\$ 110,604.00	\$ 161.00	\$ 114,149.00	\$ 125.00	\$ 88,625.00	\$ 72.00 \$	51,048.00		\$ -	\$ 128.00	90,752.00
61 Permanent Trench Resurfacing (County ROW) 62 F&I Earthen Swale and Rip Rap	80 LF	\$ 65 \$	5,200 5,000					\$ 300.00		\$ 110.00 \$ \$ 7,000.00 \$	8,800.00 7,000.00				
62 F&I Earthen Swale and Rip Rap 63 F&I 6" Piping, Fittings and Appurtenances	1 LS 1 LS	\$ 5,000 \$	5,000	\$ 5,801.00 \$ 25,198.00				\$ 22,000.00 \$ 70,000.00		\$ 7,000.00 \$ \$ 23,000.00 \$		\$ 9,900.00		\$ 7,800.00 \$ 42,000.00	
Total Base Bid		Subtotal \$	4,618,440		\$ 4,607,284.25		\$ 5,392,137.00		\$ 4,901,810.00		4,619,176.00		\$ 924,896.00		\$ 7,405,111.50
Notes: (1) Yellow highlight: Unit additive cost differs from written bid									<u> </u>						
Additive Alternatives															
A-1	1 LS	\$750,000	750,000	\$ 707,154.00	\$ 707,154	\$ 903,210	\$ 903,210	\$ 780,000	\$ 780,000	\$ 695,000 \$	695,000	\$ 1,454,000	\$ 1,454,000	\$ 507,000	507,000
750,000 Gallon Storage Tank, Foundation and Appurtenances A-2	1 LS	\$20,000											_		
F&I Carport Type Enclosure over Booster Pump Station		\$	20,000	\$ 16,959.00	\$ 16,959	\$ 37,475	\$ 37,475	\$ 9,000	\$ 9,000	\$ 35,000 \$	35,000	\$ 20,249	\$ 20,249	\$ 10,000	10,000
A-3 F&I Cathodic Protection System	1 LS	\$30,000 \$		\$ 23,119.00							25,000				
A-4 Deduct 1,000,000 Gallon Sotrage Tank	1 LS	-\$1,250,000 \$		\$ (803,915.00)							(770,000)				, , ,
		Subtotal \$	(450,000)	Subtotal	\$ (56,683)			Subtotal		Subtotal \$		Subtotal		Subtotal	, ,,,
Total Base Bid + Additive Alternatives		\$	4,168,440		\$ 4,550,601		\$ 5,399,152		\$ 4,855,810	\$	4,604,176		\$ 889,847		\$ 7,379,112

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